AMENDMENTS TO THE CLAIMS

Please amend claims 33 and 62 as set forth below.

Listing of Claims

1-32. (Cancelled)

33. (Currently Amended) An embolectomy catheter system for removing a blood clot or other embolus from a location within the vasculature of a human or animal subject, the catheter comprising:

a guidewire;

an embolectomy catheter that is advanceable over said guidewire, said embolectomy catheter comprising:

an elongate flexible catheter body having a proximal end, a distal end, an inner tube, and an outer tube terminating proximal to a distal end of the catheter body;

an embolus removal apparatus disposed on the inner tube, the embolus removal apparatus being initially disposed in a collapsed configuration and constrained in said collapsed configuration by a portion of the outer tube; and

a distal tip of the catheter body being located on the inner tube and adapted to pass through a blood clot or other embolus to be removed;

wherein the outer tube is axially retractable to remove the constraint on the embolus removal apparatus such that the embolus removal apparatus automatically expands from said collapsed configuration to a deployed configuration upon said axial retraction of said outer tube without requiring axial movement or rotation of the guidewire;

said embolus removal apparatus comprising a plurality of resilient members having proximal ends freely slidable over said inner tube ~~fixed to said inner tube~~ and

distal ends fixed to said inner tube ~~freely slidable over said inner tube~~ and mid-portions that extend laterally away from the catheter body when the proximal ~~distal~~ ends slide over said inner tube as said embolus removal apparatus achieves its deployed configuration, thereby allowing embolic material to become entangled in said elongate members, said resilient members being wrapped around said inner tube in a helical manner when in said collapsed configuration.

34. (Previously Presented) A system according to claim 33, wherein the outer tube extends distally within a proximal mouth of the distal tip prior to being retracted.

35-50. (Cancelled)

51. (Previously Presented) A system according to claim 33 wherein a lumen through which the guidewire may pass extends through the inner tube and through the embolus removal device.

52. (Previously Presented) A system according to claim 33 further comprising a plurality of infusion ports located near said embolus removal apparatus.

53. (Previously Presented) A system according to claim 33 wherein the embolus removal apparatus expands from its collapsed configuration to its deployed configuration without requiring rotation of any portion of the embolectomy catheter or guidewire.

54-61. (Cancelled)

62. (Currently Amended) A system according to claim 33 wherein said proximal ~~distal~~ ends of said resilient members are attached to a collar that is slidably mounted on said inner tube.

63. (Previously Presented) A system according to claim 33 wherein said resilient members are biased to have an expanded configuration.

64. (Previously Presented) A system according to claim 33 wherein said resilient members form an expanded wire nest when said embolus removal apparatus is in said deployed position.